

Claims

[Claim 1]

A connecting method, being a method for connecting conducting lines and contacts using a light beam;

including a step for installing conducting lines in regions wherein contacts are formed;

a step for supplying solder to regions wherein contacts are formed;

a step for installing a mask that at least partially shields a connector from a light beam,

and a step for connecting conducting lines and contacts by melting solder by illuminating with a light beam.

[Claim 2]

A method according to claim 1, wherein, in the step for installing the mask, said mask shields at least the portions of the connector that are close to the light beam.

[Claim 3]

A method according to claim 1, wherein the illumination of the light beam is performed so as to scan the region wherein bonding is to be done.

[Claim 4]

A method for connecting contacts and conducting lines, by a method according to claim 1, after forming contacts on a connector housing by MTD.

[Claim 5]

A connector, being a connector for light beam bonding, contacts being formed on the housing thereof, wall portions defining the regions that accept the conductors of the conducting lines being formed on the upper surface of the connector in a direction parallel to the contacts or the conducting lines, said wall portions being formed higher than the height of the conductors.

[Claim 6]

A connector according to claim 5, whereof the height of the aforementioned wall portions is approximately twice the height of the aforementioned conducting lines.

[Claim 7]

A connector according to claim 5 or 6, whereof the contacts are formed by MID.

[Claim 8]

A mask for a light beam, being a mask for light beam bonding, said mask shielding a portion of the regions that are not contacts from a light beam, when connecting the contacts and the conducting lines with a light beam.

[Claim 9]

A mask according to claim 8, where the aforementioned mask is a jig that presses a coaxial cable against a connector during manufacture of the connector.

[Claim 10]

A mask according to claim 8, wherein the material of the aforementioned mask is iron.